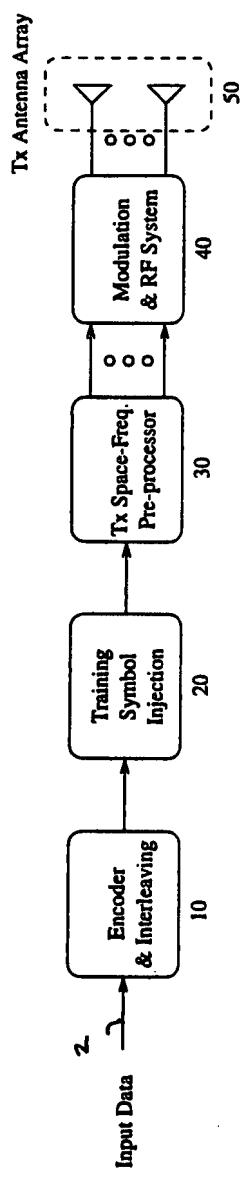


Figure 1



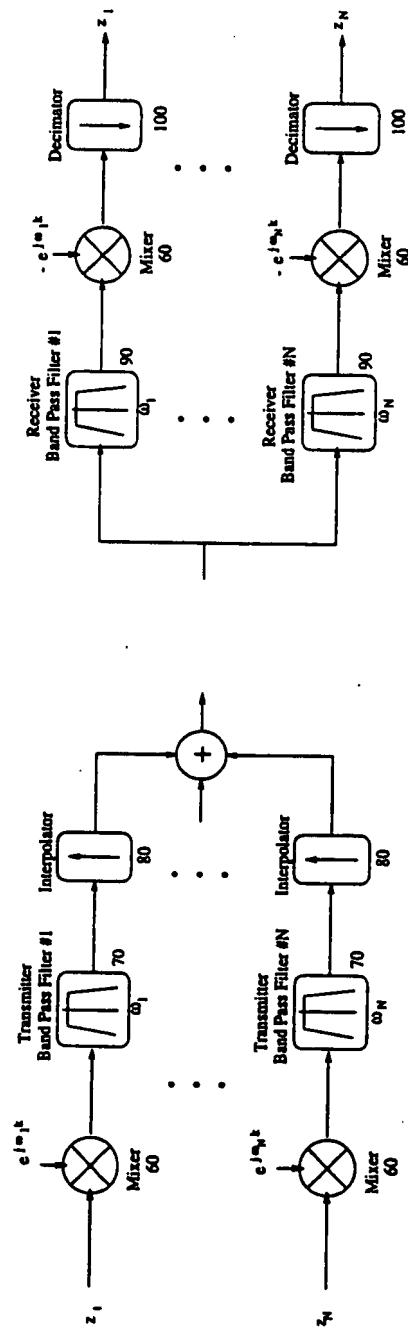
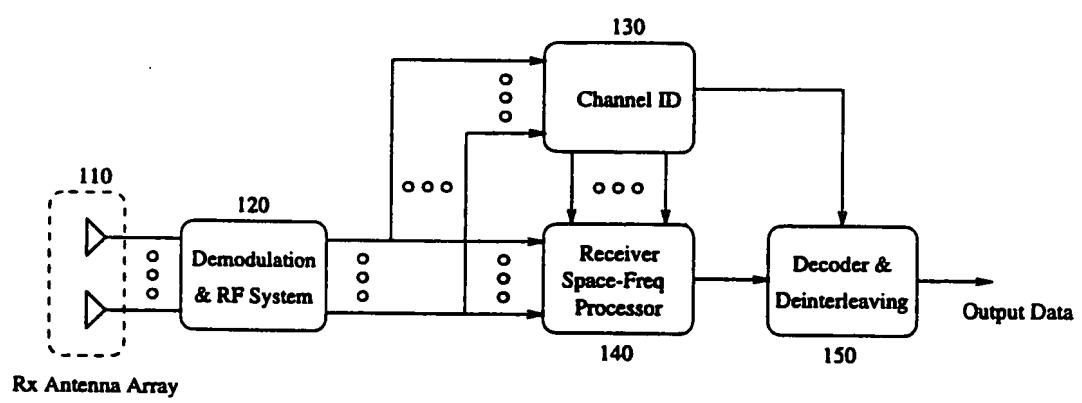


Figure 2



Multipath can be more than one reflected or refracted path in a wireless propagation channel with antenna elements that have one polarization.

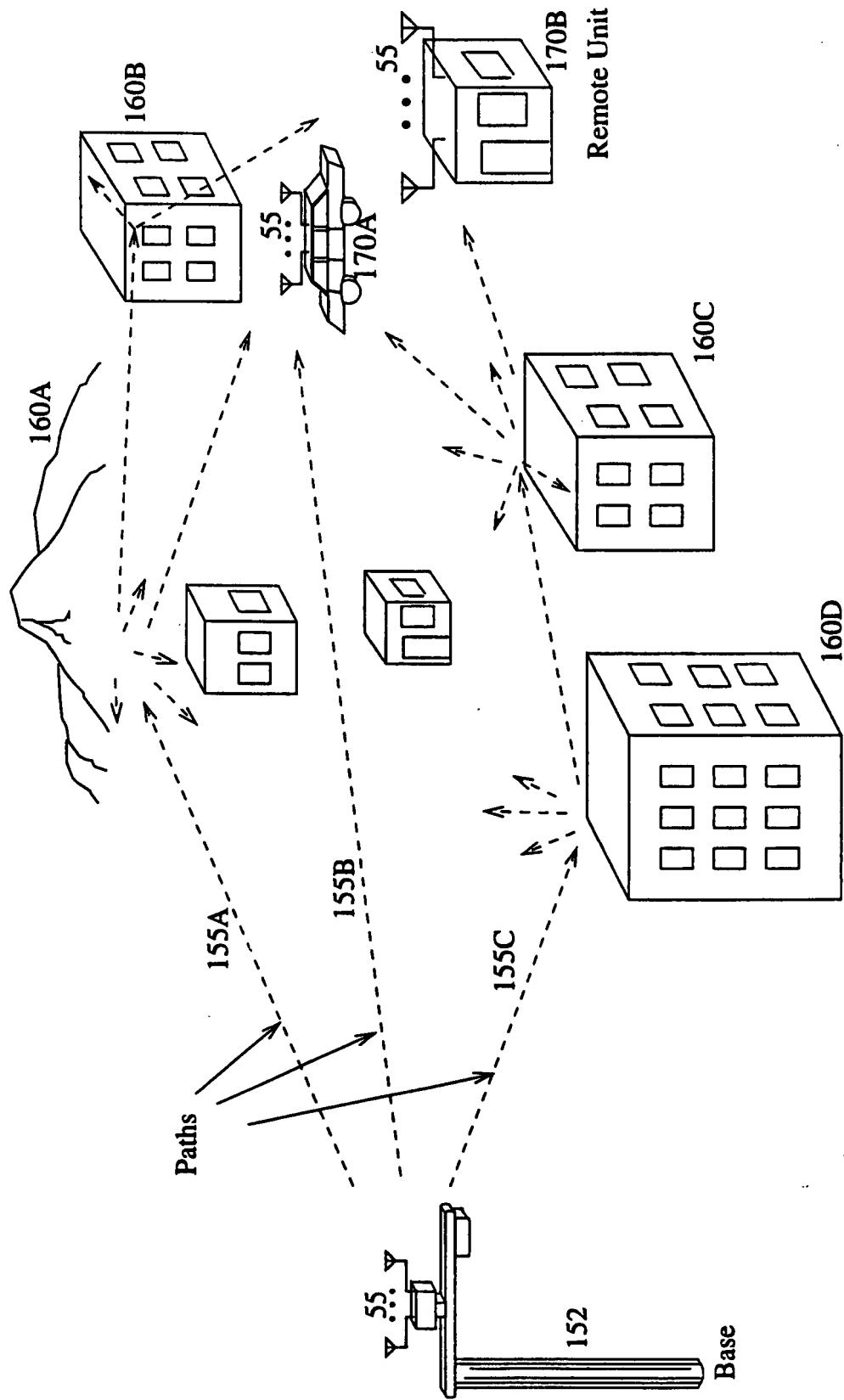


Figure 4

Multipath can be one or more paths with polarization A and one or more paths with polarization B. The two sets of paths may or may not be orthogonal.

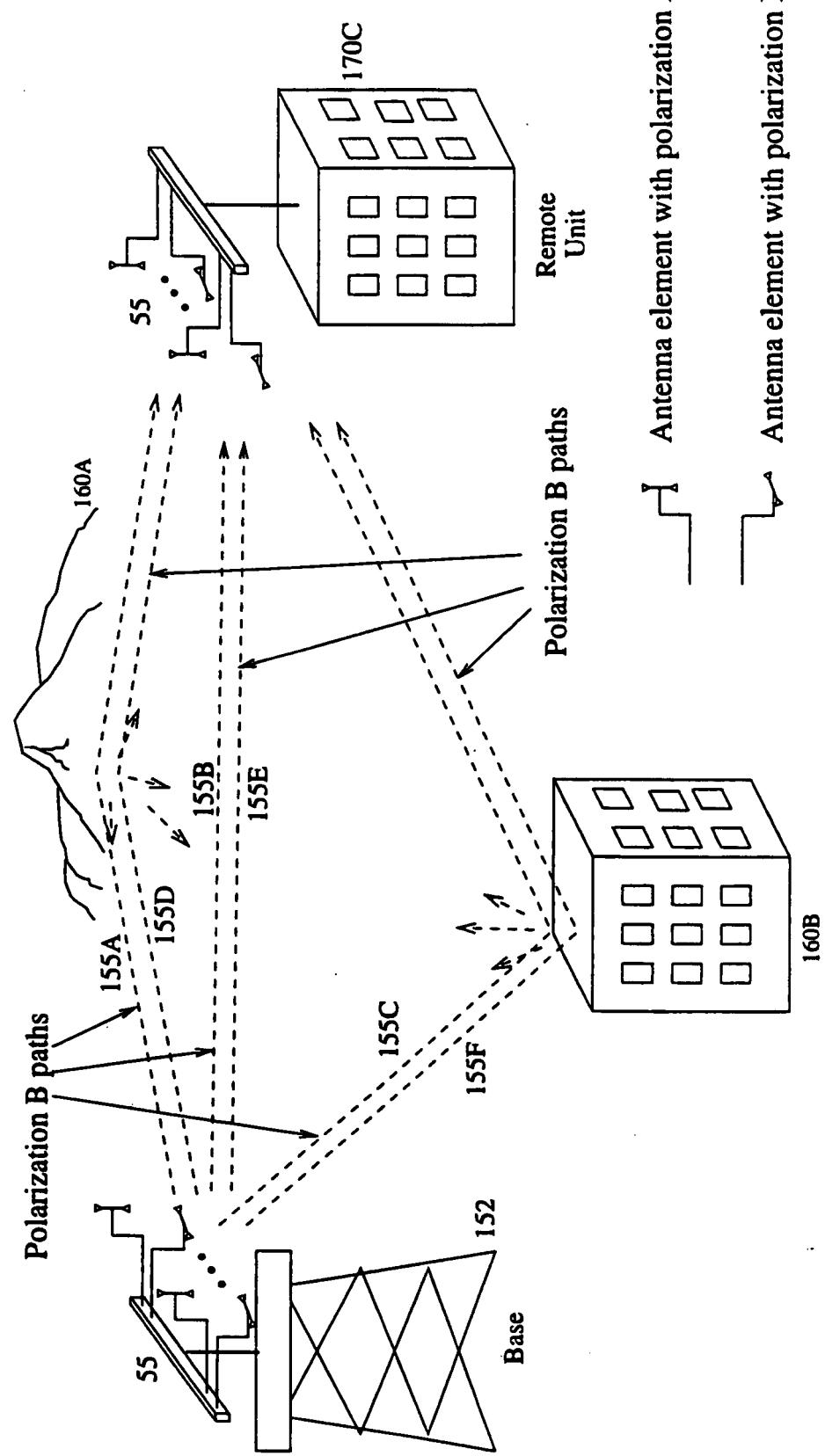


Figure 5

Figure 6

Multipath can be one or more paths between a remote and one radio port and one or more paths between the remote and another radio port.

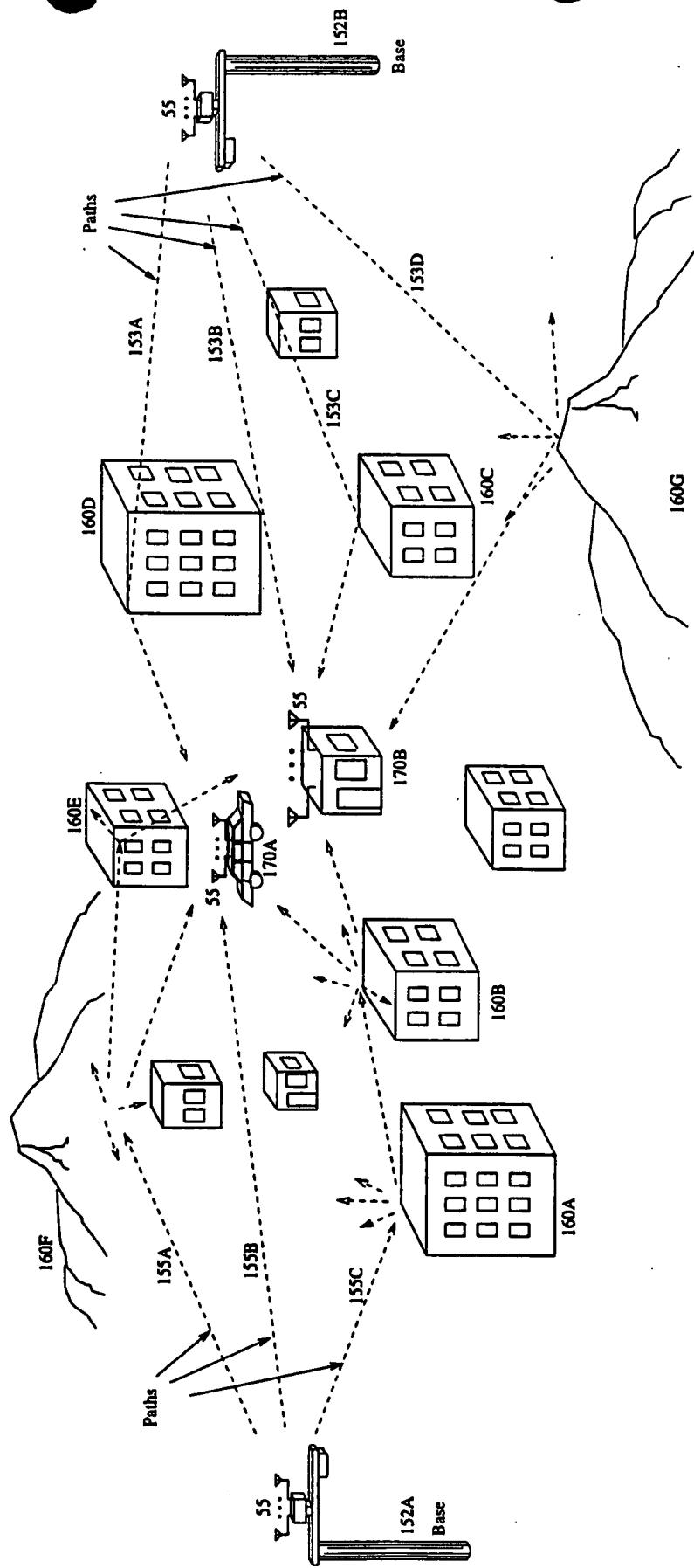


Figure 7

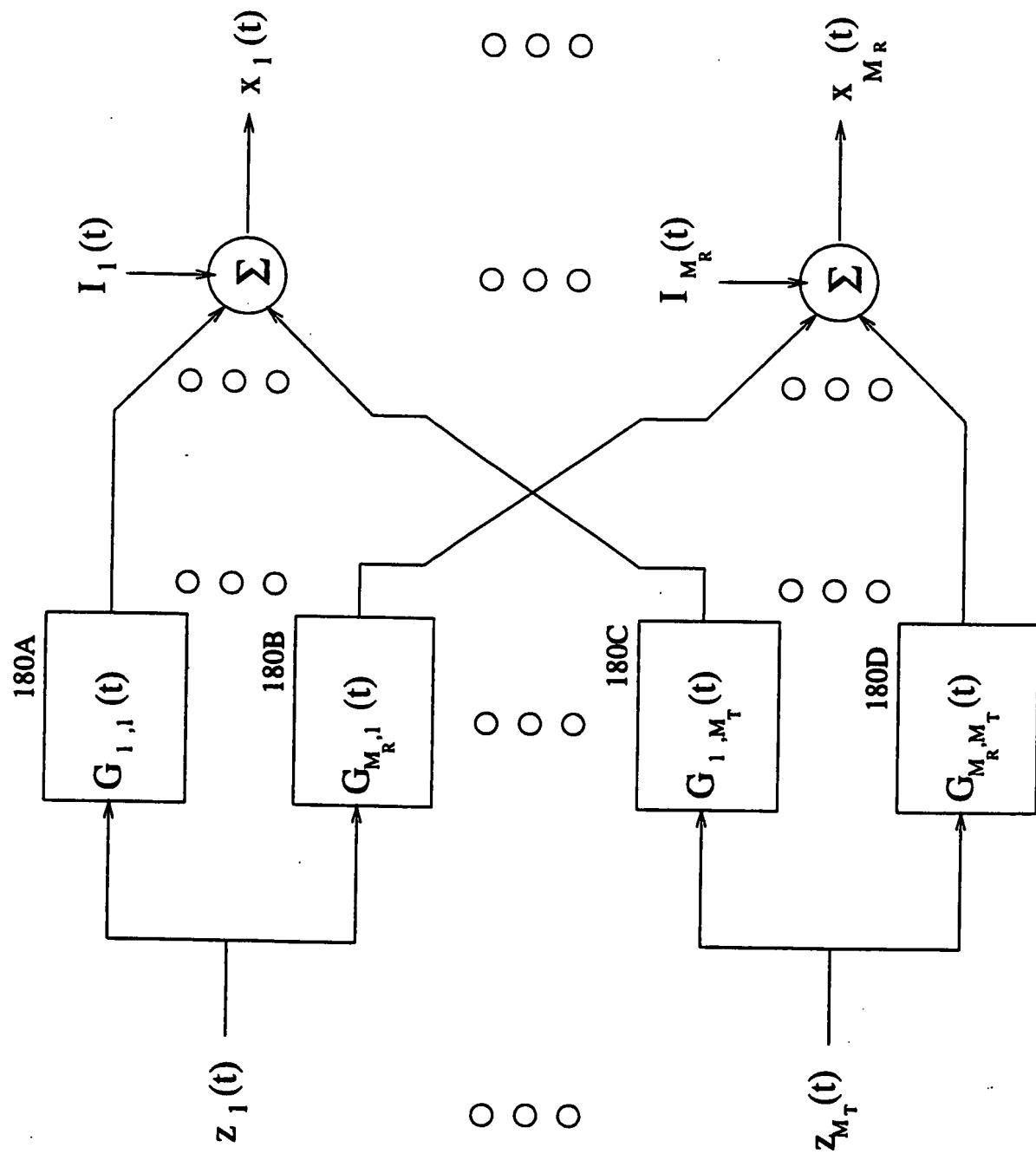


Figure 8

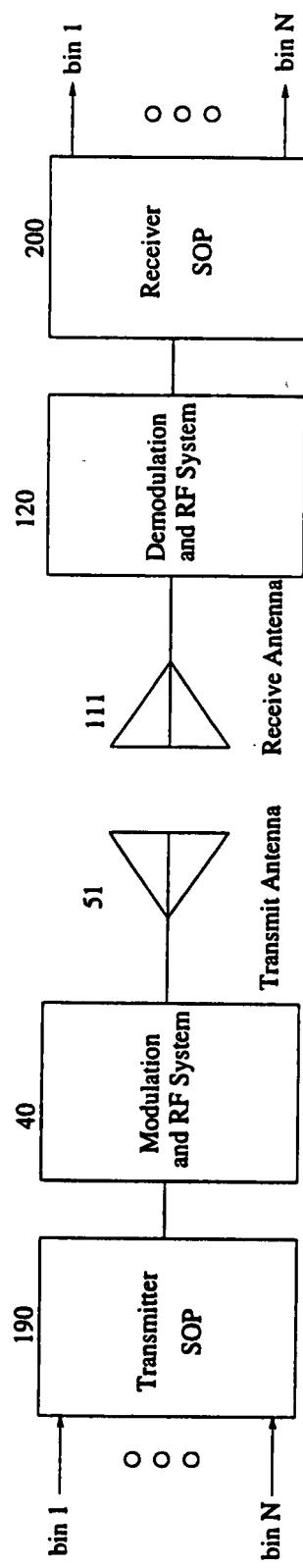
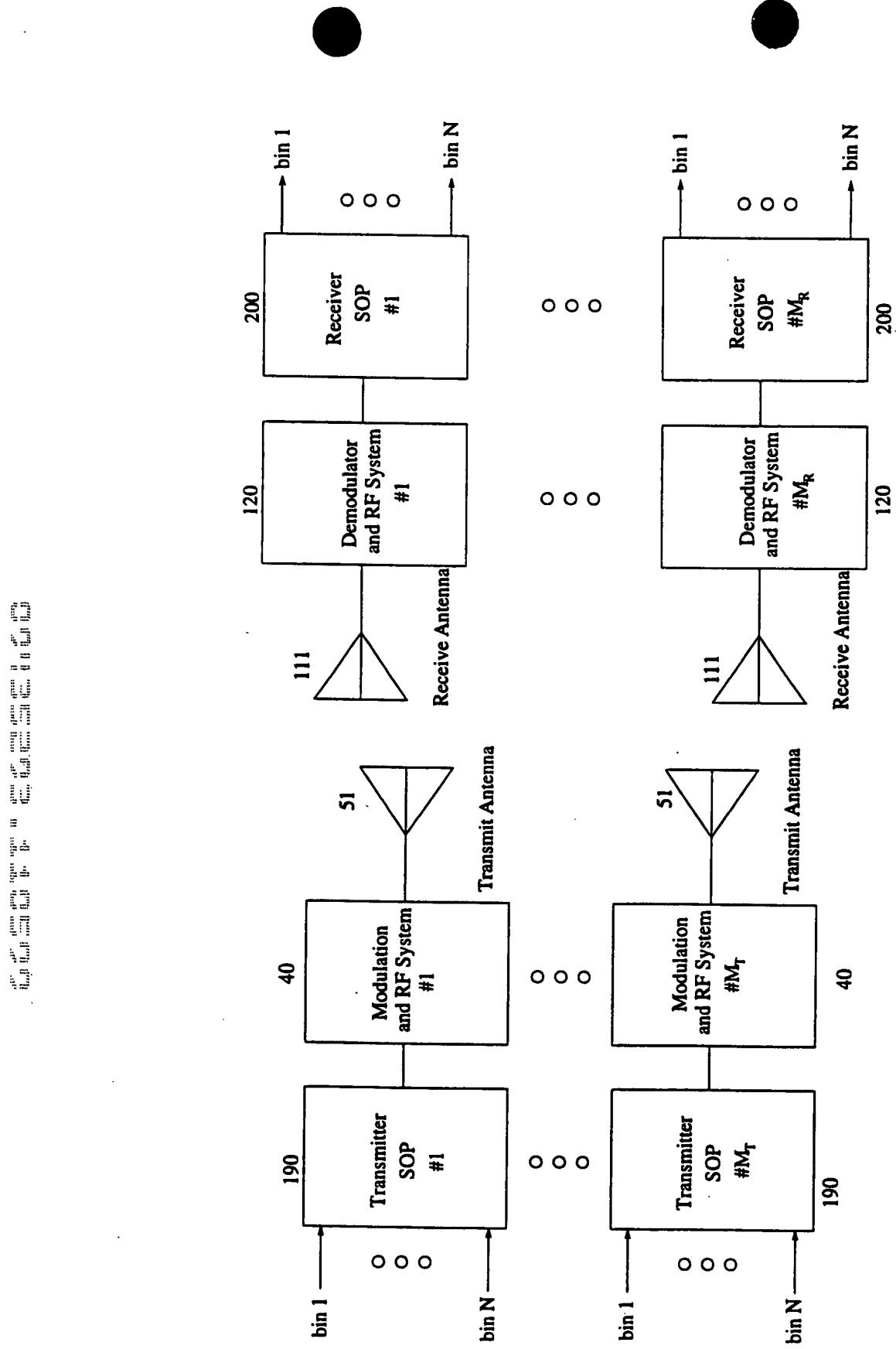


Figure 9



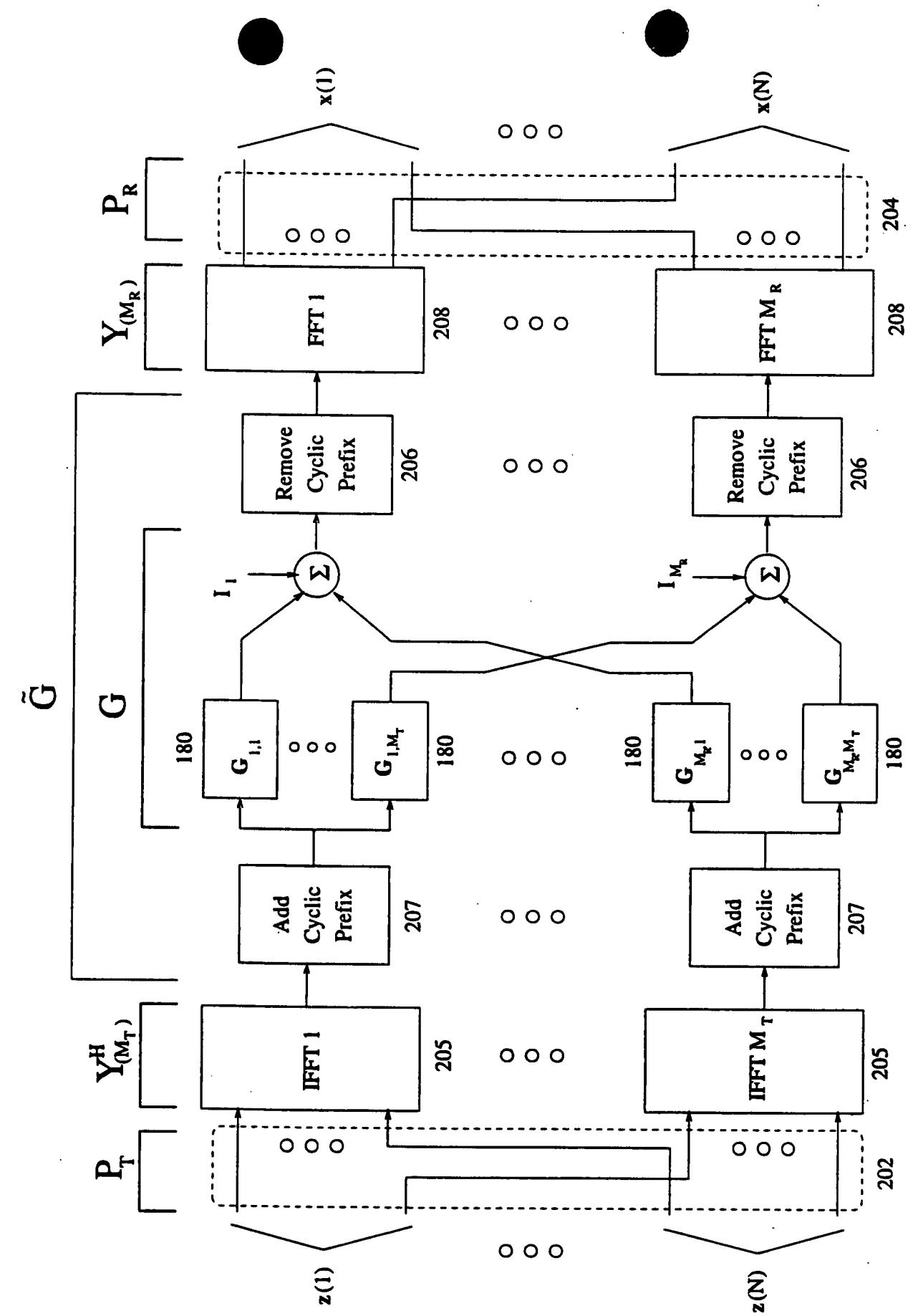
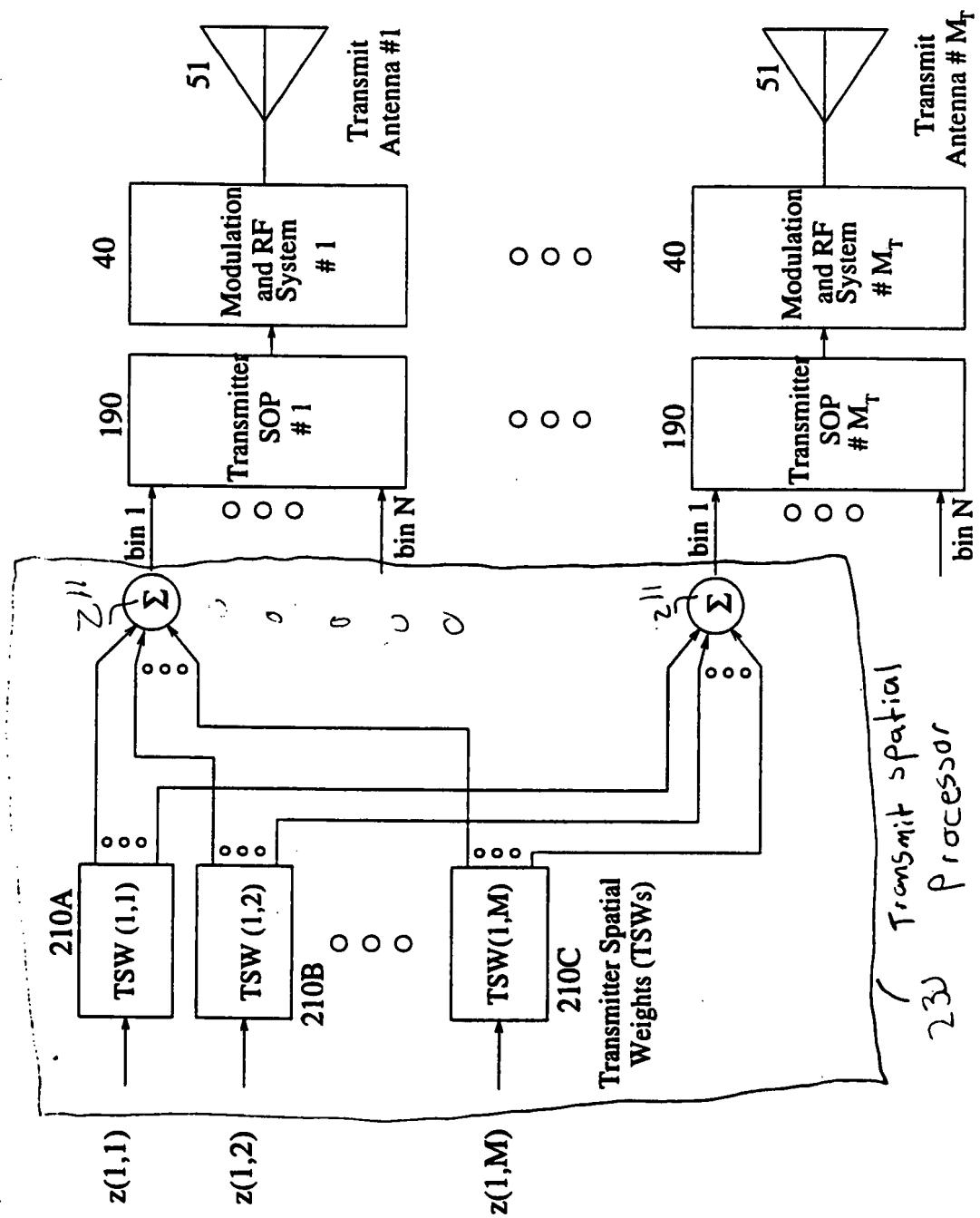


Fig. 10



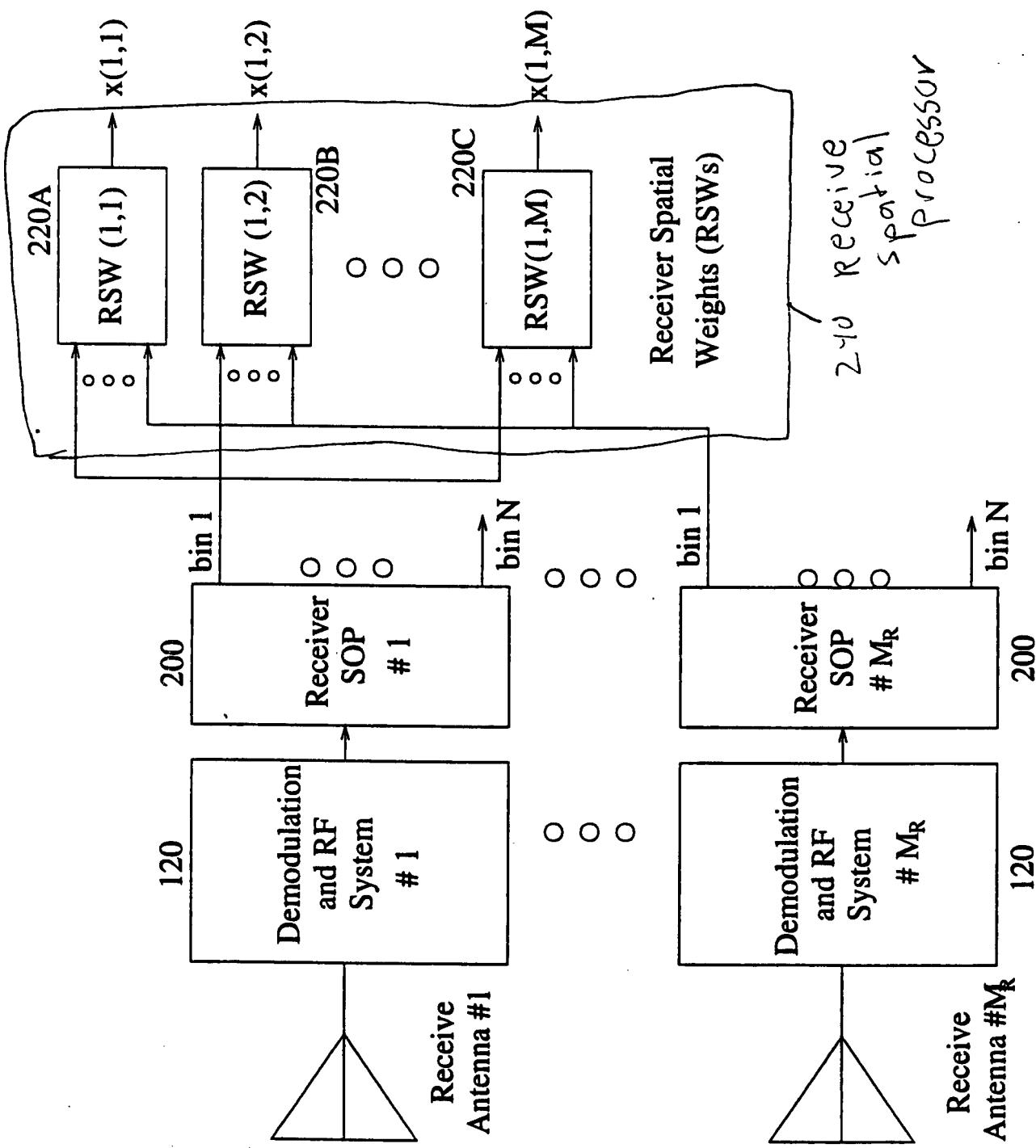
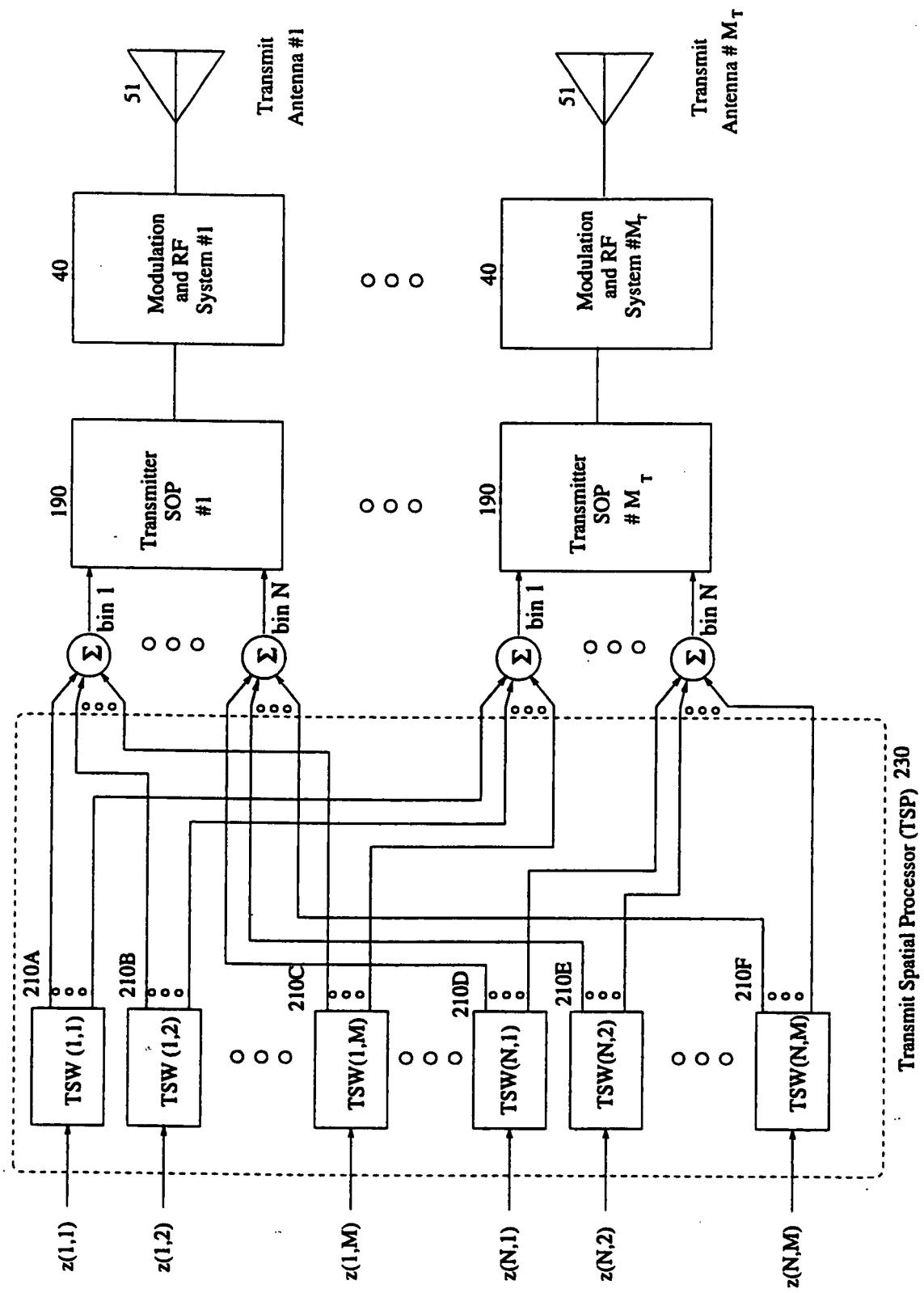
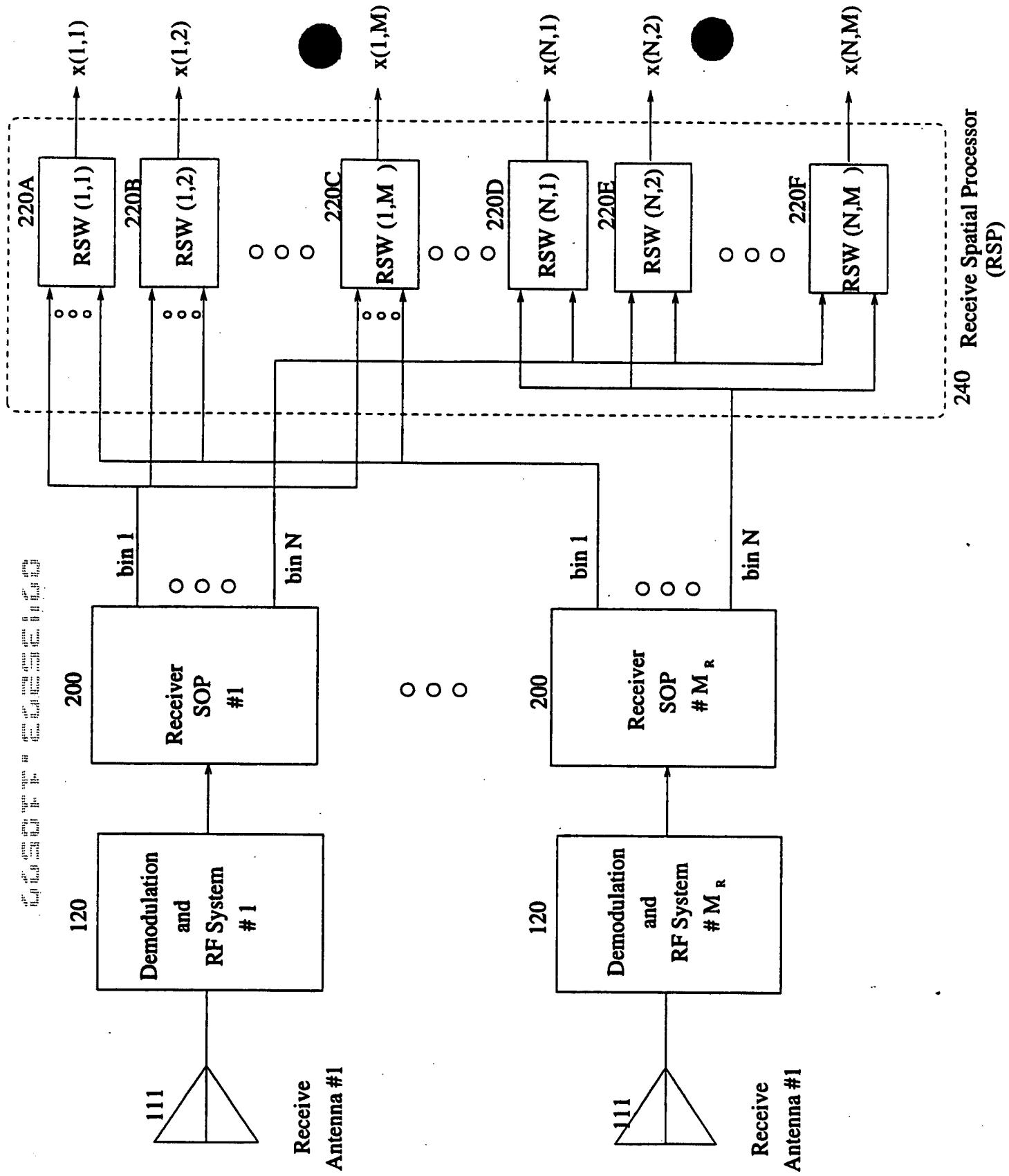


Figure 1-2



Transmit Spatial Processor (TSP) 230



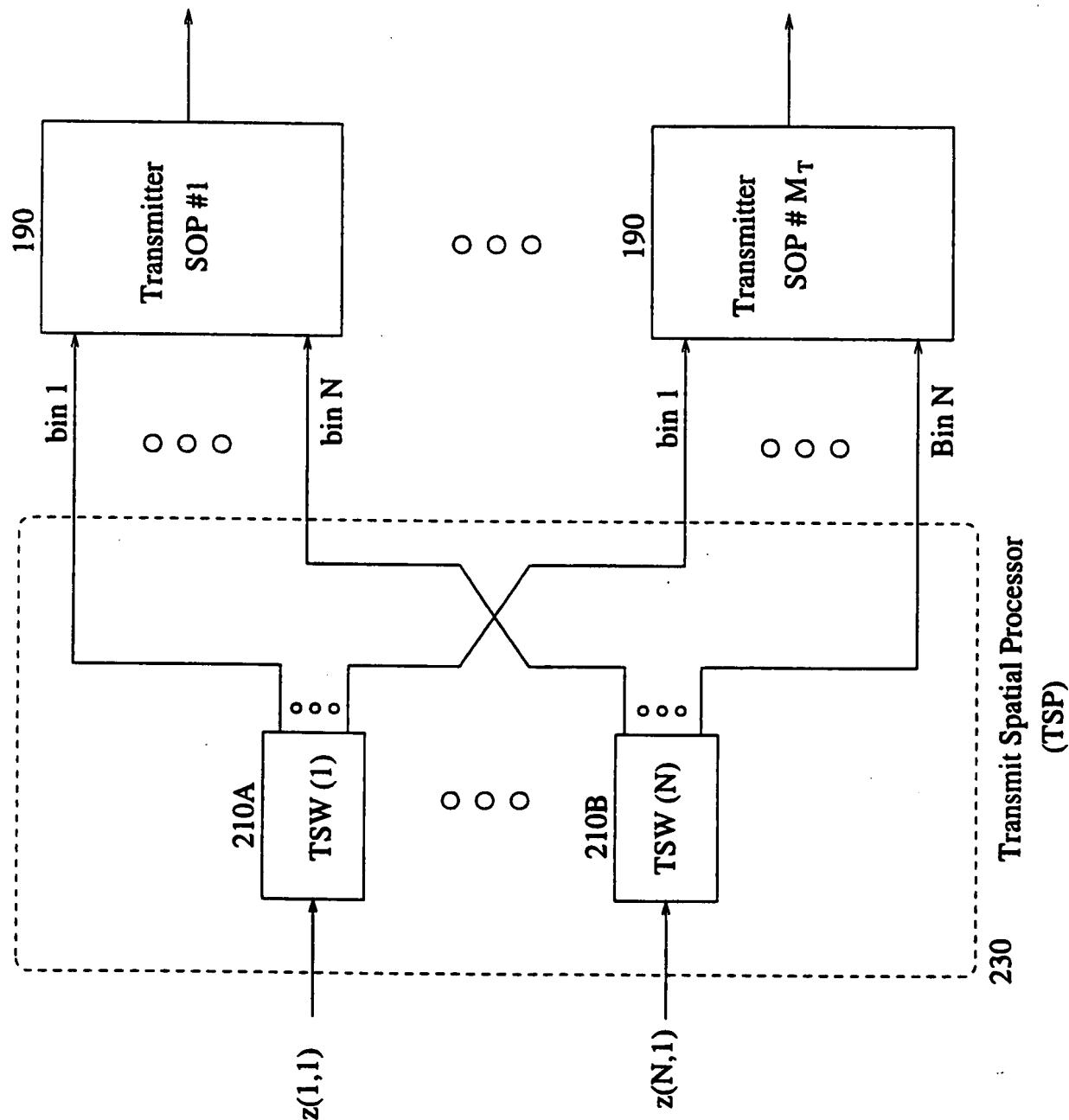
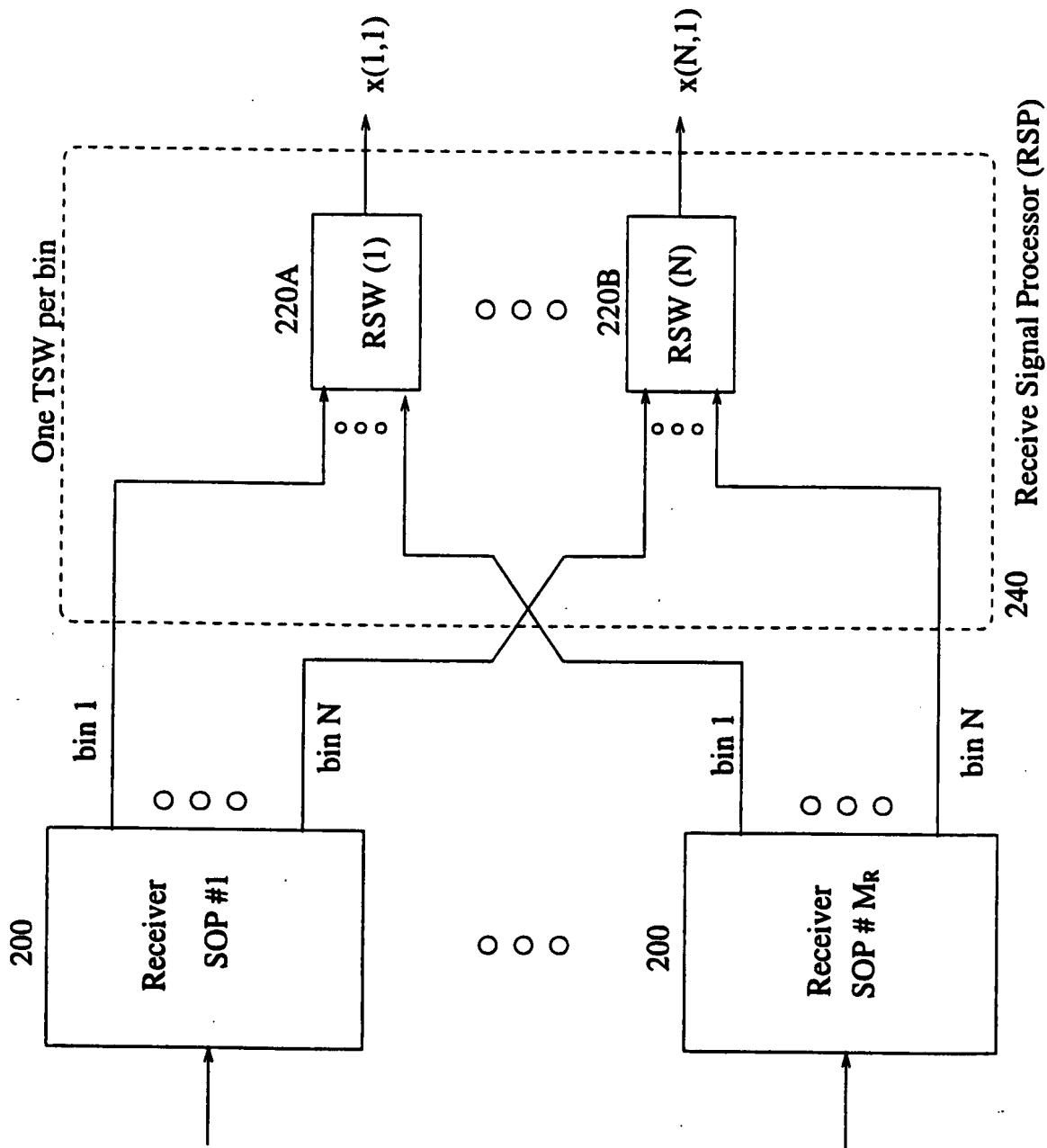


Figure 15



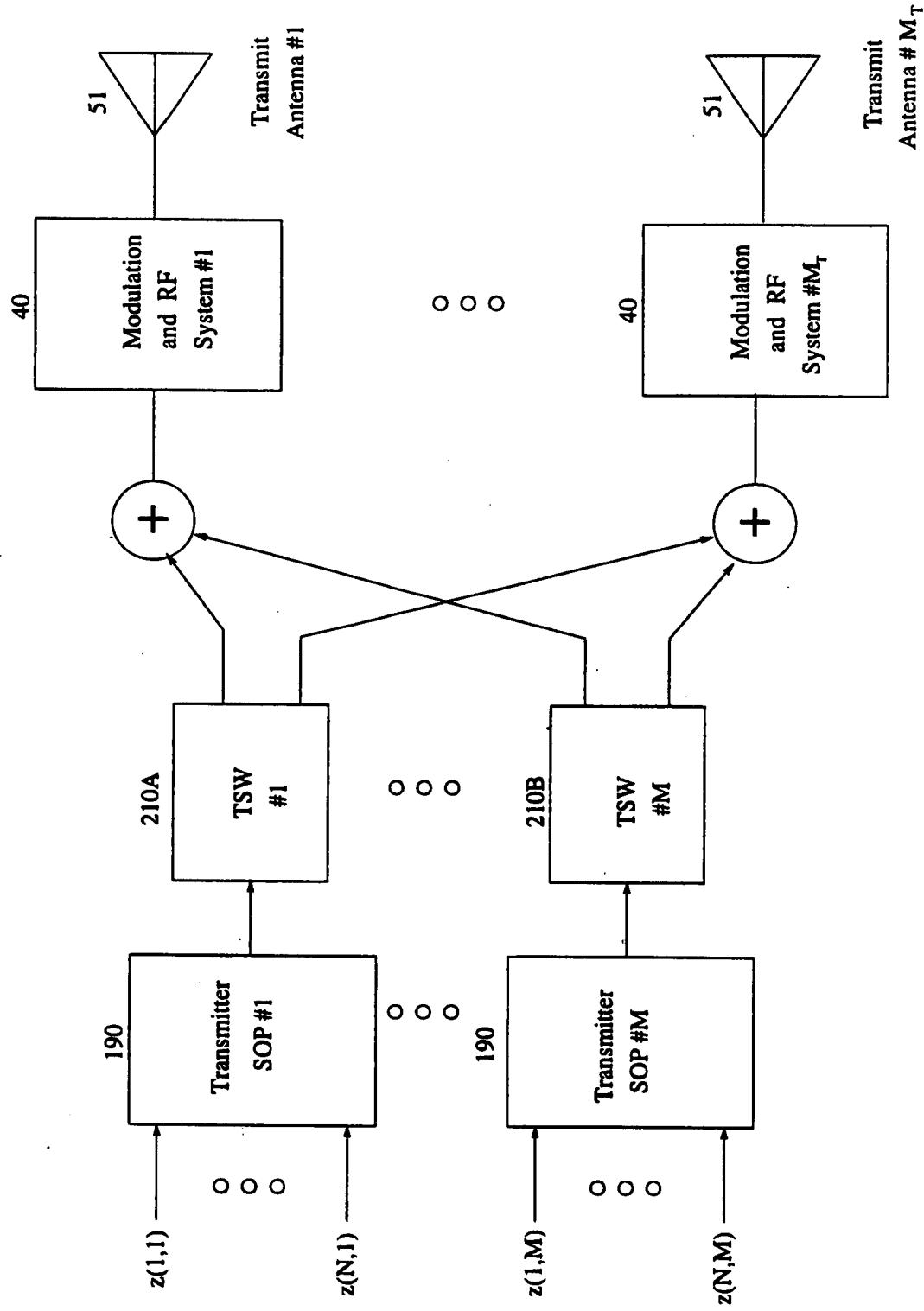


Figure 1.7

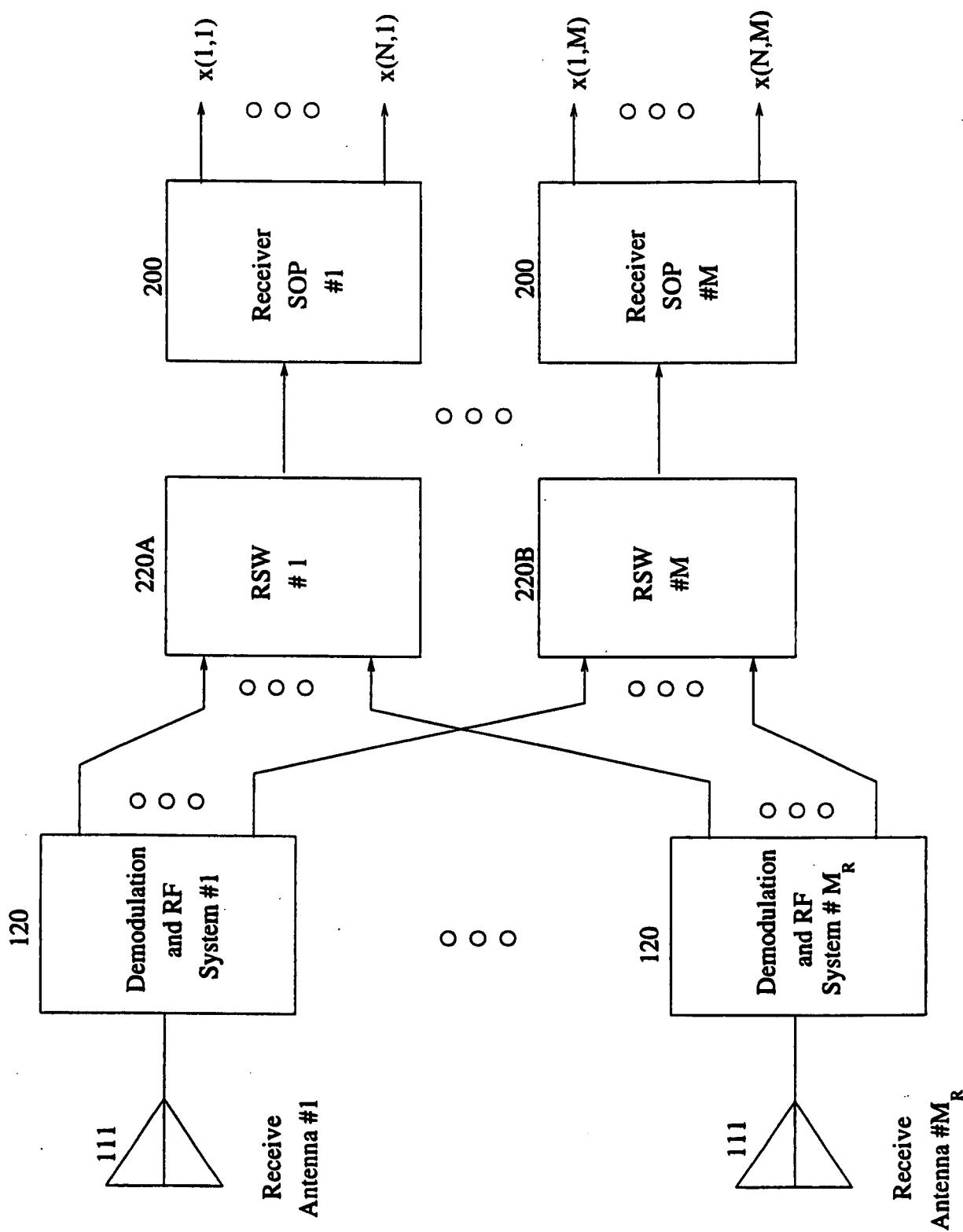


Figure 18

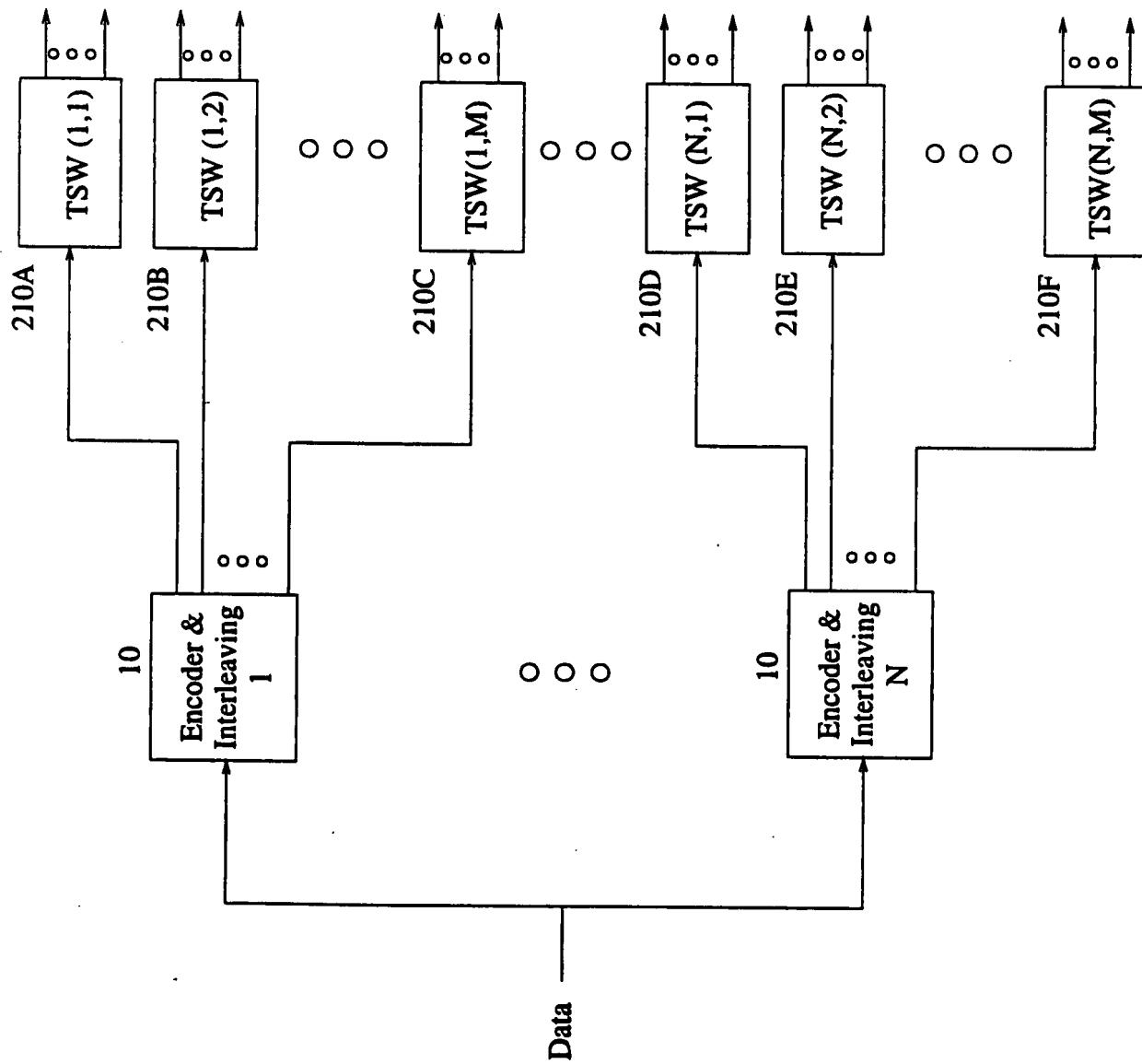


Fig. 19

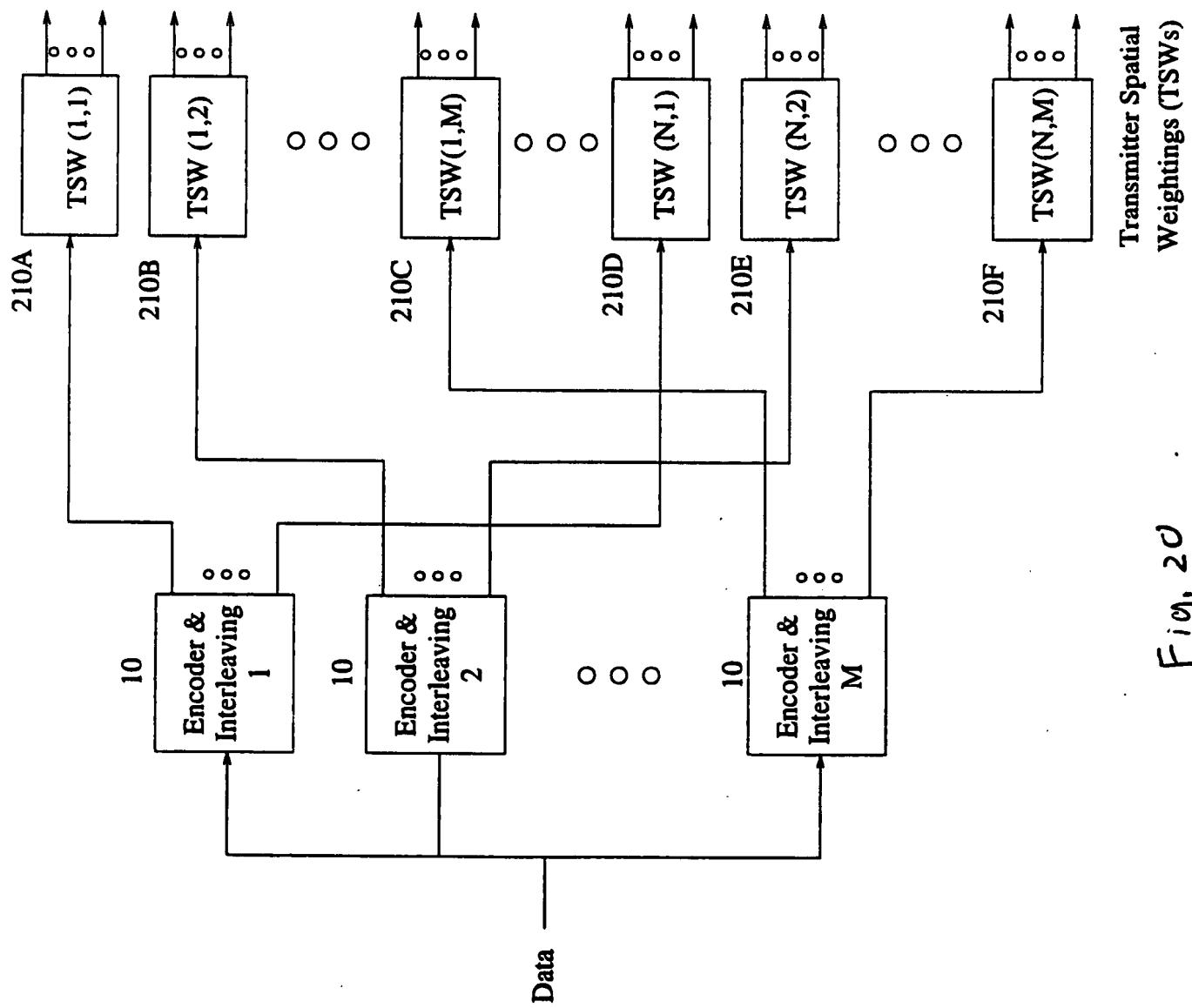


Fig. 20

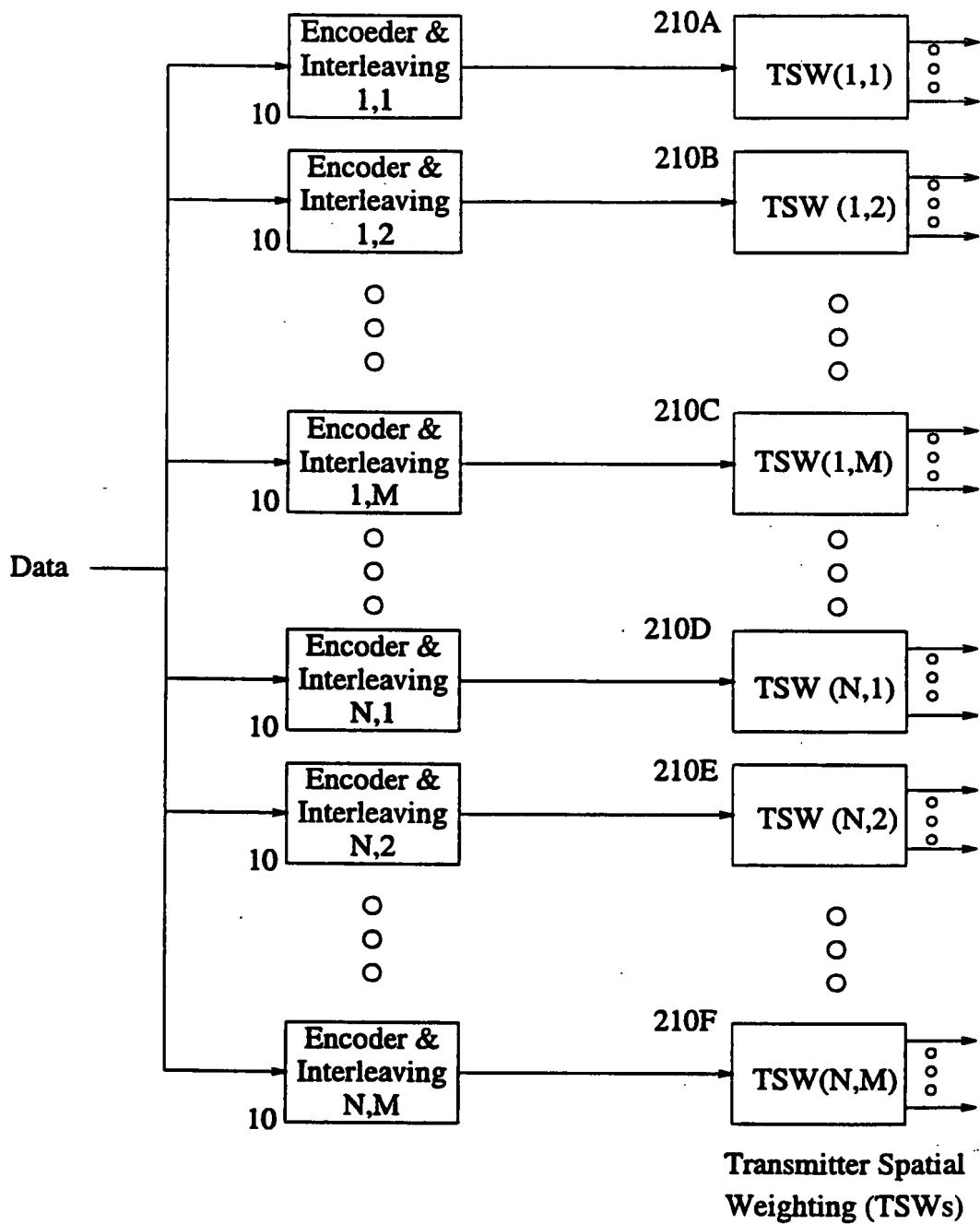
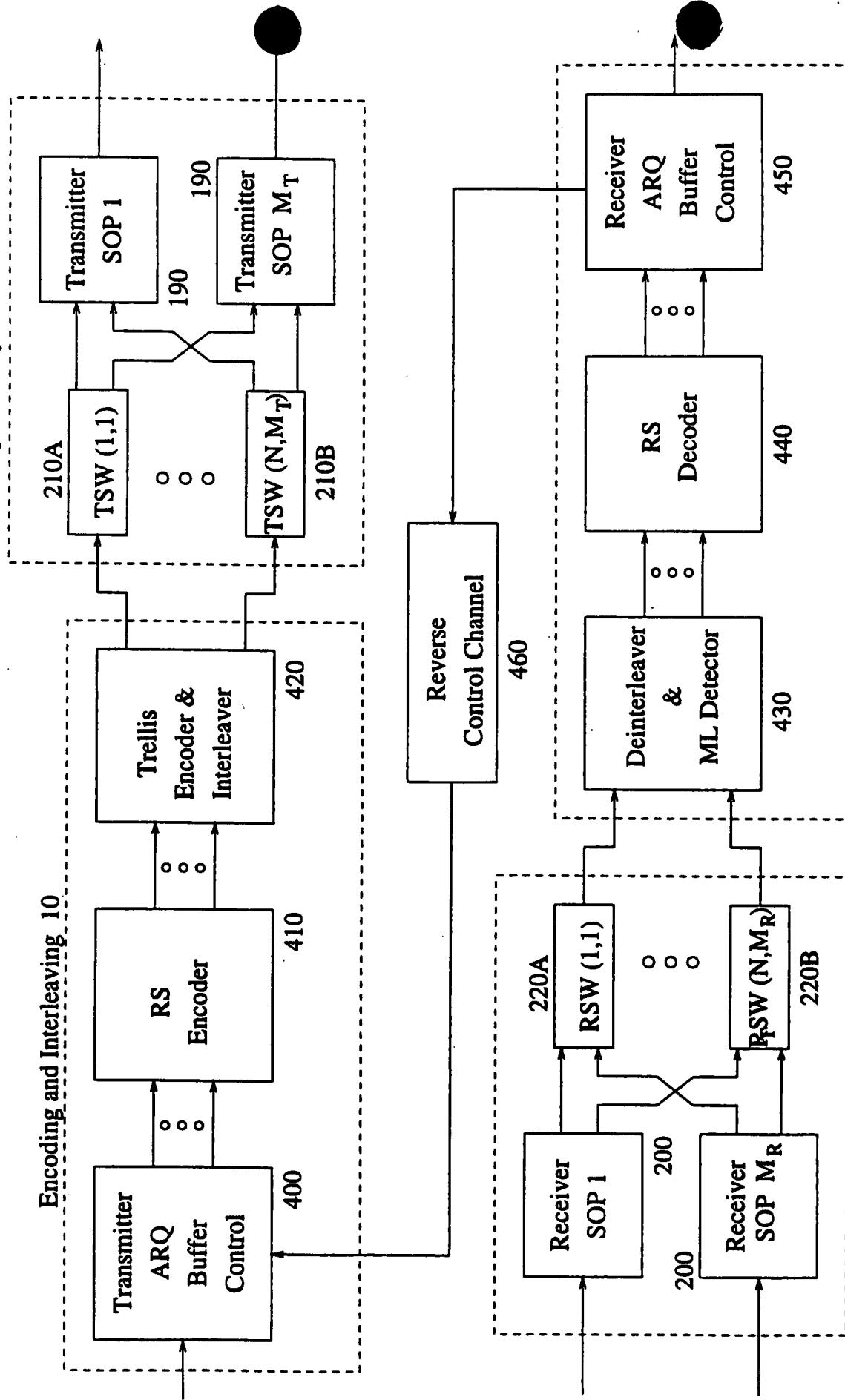


Fig. 21

Tx Space-Freq. Pre-Processor 30



Decoder and Deinterleaving 150

Receiver Space-Freq. Processor 140

Fig. 22

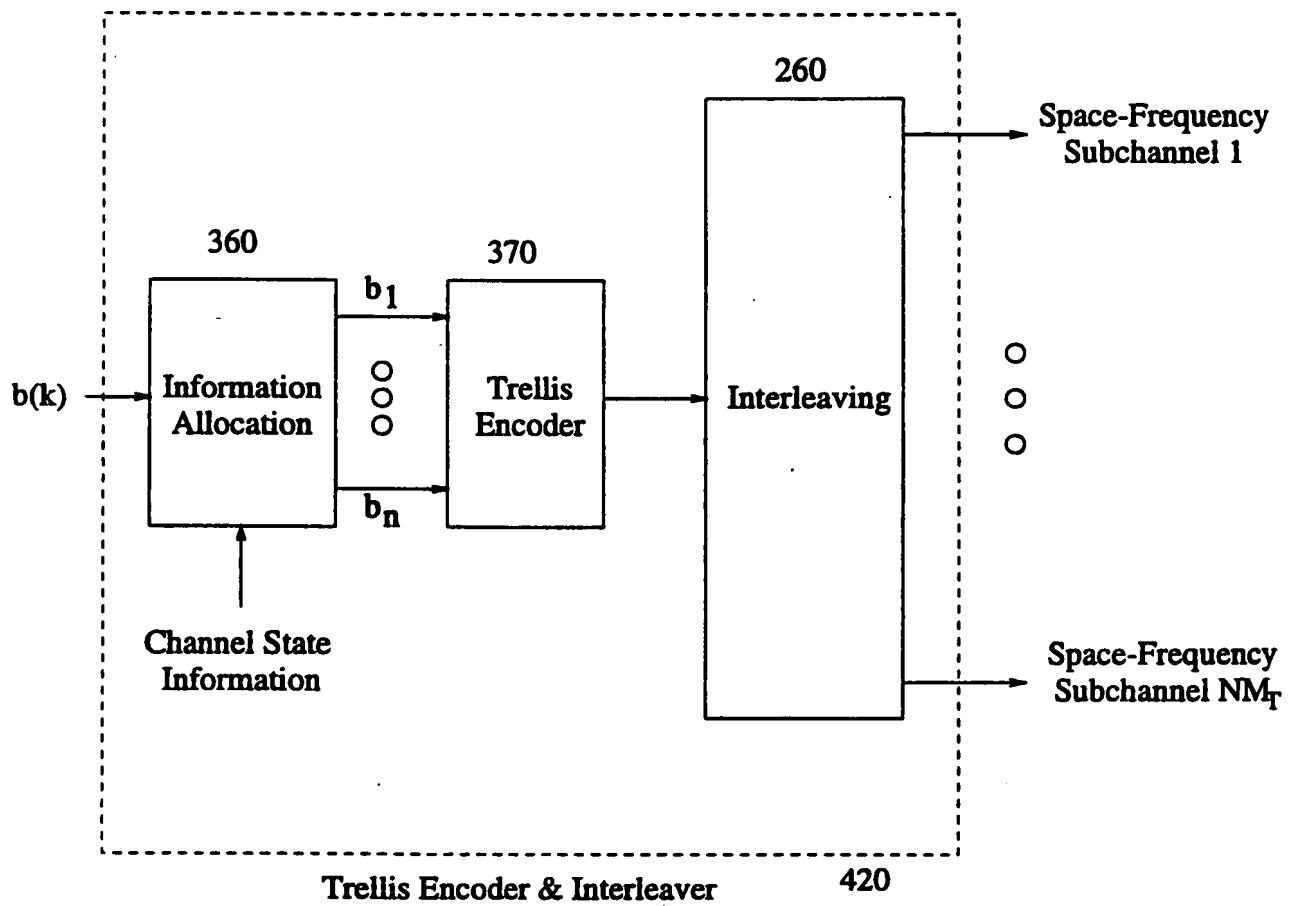


Fig. 23

Fig. 24

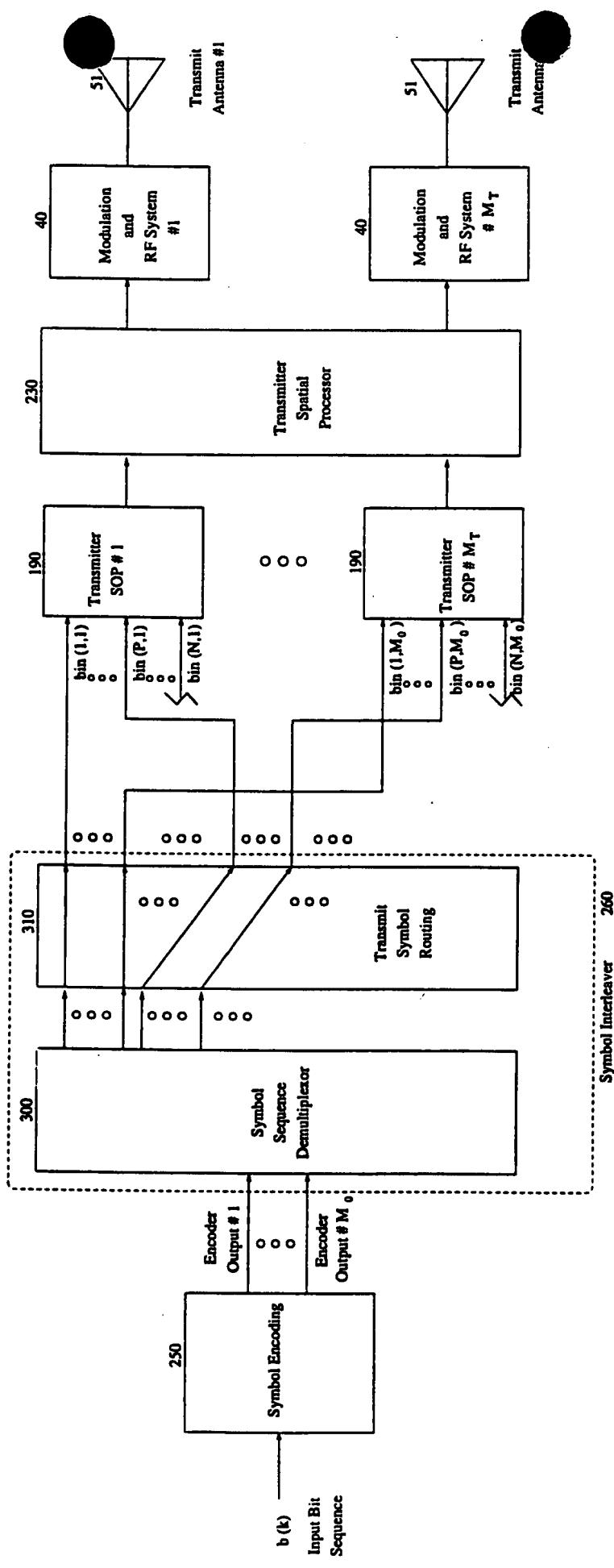
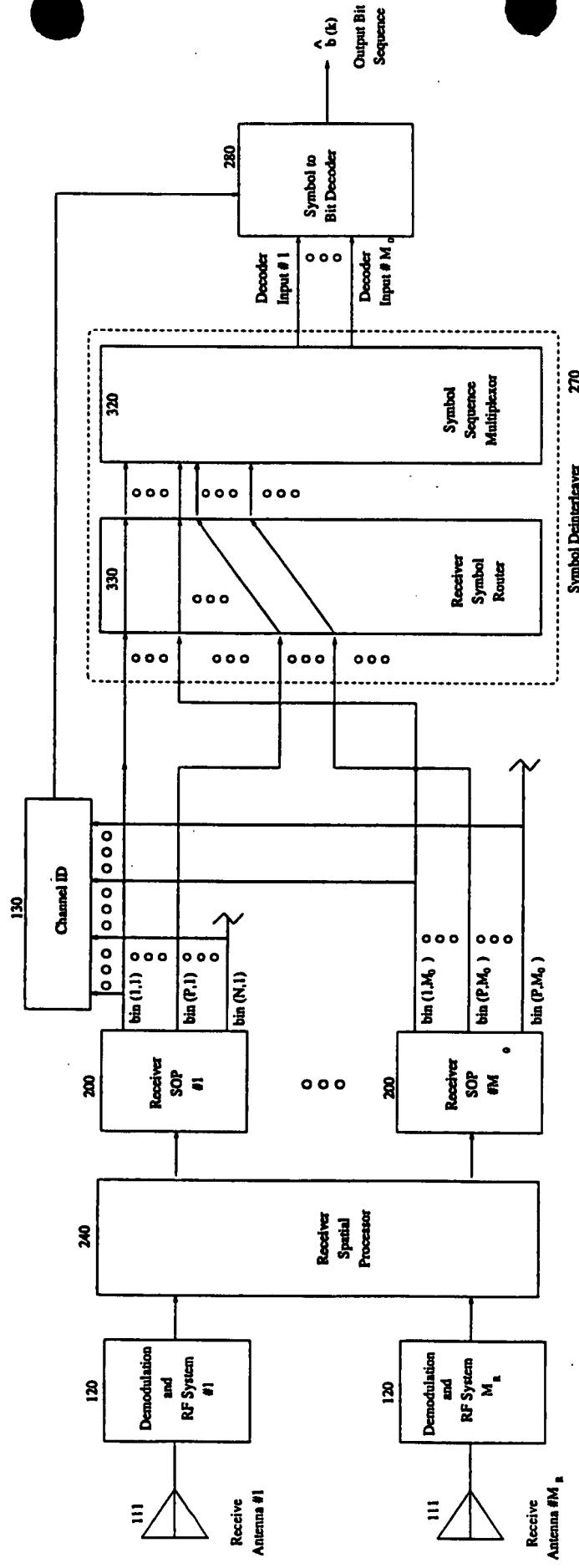


Fig. 25



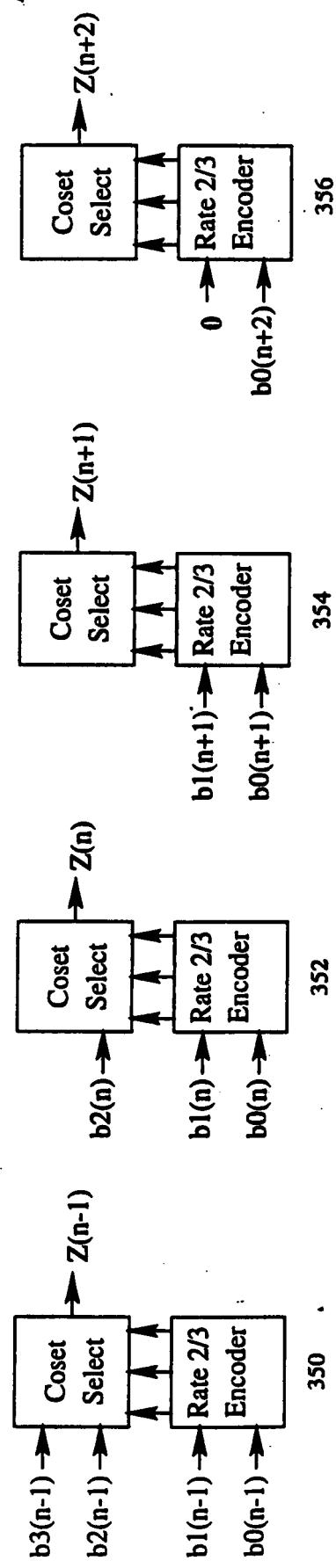
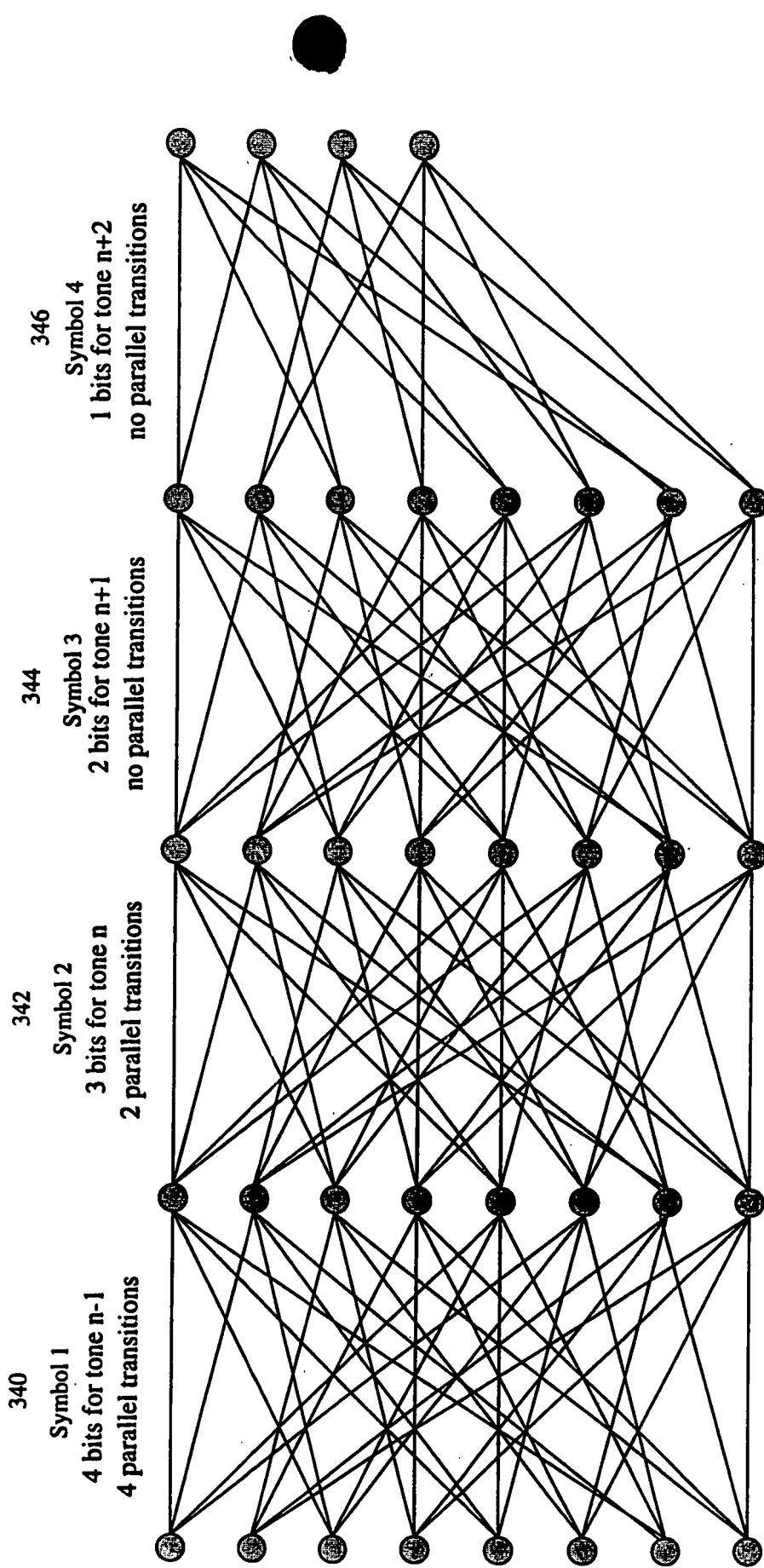


Fig. 26